

NON-TITLE V PERMIT APPLICATION INSTRUCTIONS
CONCRETE BATCH PLANT SOURCE DESCRIPTION FORM (APC 111)

This form should be used for concrete batch plant permit applications instead of the more general Process or Fuel Burning Source Description form (APC 102) and the Emission Point Description form (APC 101).

1. Use the same name as from the Facility Identification form (APC 100). The right-hand portions of the first two lines are intended for APC Division use only.
2. The process Emission Source Number should be the same as entered in Item 9 of the APC 100.
3. Under the appropriate type of mix, enter the maximum annual production expressed in yards.
4. Indicate type of road dust control for both plant yard and access roads by checking the appropriate blocks. If roads are watered indicate approximate frequency.
5. Estimate the annual tonnage of gravel and sand in the stockpiles. Indicate the number of sides of the stockpile that are enclosed. Indicate the turnover rate in terms of tons per month. Indicate whether the sand and gravel is received damp and if it is wetted when received.
6. Indicate whether the conveyor and elevator on the cement receiving equipment is enclosed or not. Indicate the compressed air flow in cubic feet per minute, the average load time in tons, and the normal loading time in minutes.
7. Indicate the number of cement storage silos and the total combined capacity of the silos in either barrels or tons. Specify which units are used. Indicate type of silo vent control listed. If other is checked, explain type of control in the comments (Line 14).
8. Indicate the weigh-batcher capacity (in yards), the batching rate (in yards per hour), and the batch dumping rate (in yards per minute). Check the type of vent control for the silo to weigh-batcher.
9. Indicate the weigh-batcher discharge to the following: (1) truck, (2) tilt, and (3) products mixer. Check the type of control for the weigh-batcher discharge chute.
10. Indicate the emission point data for the following: (1) silo vent, (2) silo to weigh-batcher vent, and (3) weigh-batcher discharge chute.
11. Particulate emission estimates from each of the indicated vents should be based on engineering calculations. In certain cases other estimates or blanks may be accepted.

Average emissions (pounds/hour) should represent the total weight of pollutant emitted to the atmosphere for a period which covers a complete or an integral number of cycles divided by the hours of actual process operation during such periods.

Maximum emissions (pounds/hour) should be determined by dividing the total highest emission possible during any 3 hour period, with control equipment working properly, by 3. This should take into consideration such things as maximum possible operating rate, particular products which may result in increased emissions, etc.

(over)

Emission estimation method and control device descriptions, along with corresponding codes, can be found on the back of the Facility Identification Form (APC 100). The codes which most accurately describe the estimation methods and control equipment used, along with estimated control equipment efficiency should be entered for each vent listed. Any estimation methods or control devices other than those listed in the tables should be described in the comments, Item 14.

12. If there is a second silo, enter the stack parameter data similar to Line 10.

13. If there is a second silo, enter particulate emissions similar to Line 11.